

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended): A total temperature measurement probe for an aircraft, comprising :—

a base  $[(1)]$ , an external face  $[(2)]$  of which is intended to be mounted so as to be substantially coplanar with a skin of the aircraft, and a mast  $[(3)]$  that projects from the base  $[(1)]$  and supports an active part  $[(4)]$  of the probe, ~~characterized in that~~ wherein it furthermore includes several temperature sensors placed on the external face of the base  $[(1)]$  and distributed around the mast  $[(3)]$ .

2. (currently amended): The probe as claimed in claim 1, ~~characterized in that~~ wherein the temperature sensors ~~(6 to 9)~~ are thermally insulated from the external face  $[(2)]$  of the base  $[(1)]$ .

3. (currently amended): The probe as claimed in ~~either of the preceding~~ claim $[[s]]$  1, ~~characterized in that~~ wherein it includes at least three temperature sensors ~~(6 to 9)~~.

4. (currently amended): A method of determining temperature by means of a total temperature probe as claimed in claim 1, ~~characterized in that~~ wherein the total temperature of the air surrounding the probe is determined on the basis of the temperature measurement carried out in the active part  $[(4)]$  of the probe and on the basis of the maximum difference that exists between the measurements made by the temperature sensors ~~(6 to 9)~~.

5. (currently amended): The method as claimed in claim 4, ~~characterized in that~~ wherein the total temperature of the air surrounding the probe is determined as a function of the speed of the air surrounding the probe.

6. (new): The probe as claimed in claim 2, wherein it includes at least three temperature sensors.